

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Wai Ming Choi
Serial No.: 10/822,440
Confirmation No.: 1434
Filed: April 12, 2004
For: LOW DENSITY NONWOVEN GLASS FIBER WEB

Examiner: A. T. Piziali
Art Unit: 1794

Certificate of Electronic Filing Under 37 CFR 1.8	
I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted via the Office electronic filing system in accordance with § 1.6(a)(4).	
Dated: <u>January 3, 2011</u>	Electronic Signature for: /Eileen M. MacKenzie/

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION UNDER 37 C.F.R. §1.132

Dear Sir:

I, Wai Ming Choi, state the following:

1. I am an inventor of the above-referenced patent application. As an inventor, I was a Chief Scientist at Hollingsworth & Vose Company and my responsibilities included high efficiency glass fiber media development. I had developed glass fiber media grades for over 10 years. I am no longer employed by Hollingsworth & Vose Company.
2. I reviewed the above-referenced patent application and my Declarations Under 37 C.F.R. §1.132 dated March 7, 2007 ("the Choi I Declaration"); October 4, 2007 ("the Choi II Declaration"); and, March 14, 2008 ("the Choi III Declaration").
3. I now realize that certain statements in the Choi I Declaration and the Choi II Declaration are inaccurate. At the time I made the statements in the Declarations, I had believed them to be accurate as the statements were consistent with many examples and embodiments described in the above-referenced patent application and the Declarations. I did not willfully make any

inaccurate statements and I had no intent to deceive the United States Patent Office when making the statements.

4. This declaration in being provided to correct the inaccurate statements made in the Choi I Declaration and the Choi II Declaration. The inaccurate statements suggest that the only way to obtain a filter media having a gamma value of at least about 14 is to adjust the pH from an acidic pH to an alkali pH. While many examples and embodiments described in the above-referenced patent application and the Choi II Declaration do obtain a gamma value of at least 14 by adjusting the pH from an acidic pH to an alkali pH, this technique is not the only way to obtain a filter media having a gamma value of at least about 14. Other means for obtaining a filter media having a gamma value of at least about 14 are described in the above-referenced patent application and the Choi II Declaration, as described in the following paragraphs.

5. Example 2 in the above-referenced patent application describes embodiments in which a gamma value of greater than 14 was obtained without adjusting the pH from an acidic pH to an alkali pH. In Example 2, gamma values of 16.24 and 16.79 were achieved when a fiber mixture starts out in the hydropulper with a pH of about 9 and then is maintained at a pH of 9 in the headbox. Thus, this example illustrates a process for making filter media having a gamma value of at least about 14 that does not adjust the pH from an acidic pH to an alkali pH.

6. Samples A3 and A5 in Example A in the Choi II Declaration (See Table A) show that a gamma value of at least about 14 can be obtained without any pH adjustment step. Samples C1, C2 and C6 in Example C in the Choi II Declaration (See Table C) show that a gamma value of at least about 14 can be obtained by adding a base. Thus, these examples illustrate processes for making the claimed filter media that do not rely on adjusting the pH from an acidic pH to an alkali pH.

7. The Choi III Declaration describes experiments that demonstrate that gamma values of at least about 14 did not result when the oppositely charged viscosity modifier teachings of Dong (U.S. Patent No. 6,291,552) are applied to the low-boron glass fibers of Pierce (WO 01/43850). I can confirm my belief that the statements made in the Choi III Declaration are accurate.

8. I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and further that these

statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Wai Ming Choi
Wai Ming Choi

9/19/2010
Date